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Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

CNTW-006/00US

**INFORMATION DISCLOSURE STATEMENT**  
(Use several sheets if necessary)

APPLICANT:

FILING DATE

December 6, 2000

GROUP

JCS64 U.S. PTO  
09/730682  
12/06/00

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
OR	P1	4,991,089	2/5/1991	Shorter, David U.			9/30/1988
//	P2	5,109,486	4/28/1992	Seymour, Leslie G.			1/6/1989
//	P3	5,442,791	8/15/1995	Wrabetz et al.			5/12/1994
//	P4	5,557,748	9/17/1996	Noris, David			2/3/1995
//	P5	5,724,509	3/3/1999	Starkweather et al.			4/22/1996
//	P6	5,751,967	5/12/1998	Raab et al.			7/15/1996
//	P7	5,784,702	7/21/1998	Greenstein et al.			2/27/1997
//	P8	5,787,246	7/28/1998	Lichtman et al.			5/27/1994
//	P9	5,819,028	10/6/1998	Manghirmalani et al			4/16/1997
//	P10	5,838,918	11/17/1998	Prager et al.			3/31/1995
//	P12	5,852,740	12/22/1998	Estes, Mark D.			10/15/1997
//	P13	5,872,928	2/16/1999	Lewis et al.			5/25/1995
//	P14	5,884,028	3/16/1999	Kindell et a;			7/29/1994
//	P15	5,944,782	8/31/1999	Noble et al.			10/16/1996
//	P16	5,948,065	9/7/1999	Eilert et al.			3/28/1997
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GROUP

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//	P29	6,108,699	8/22/2000	Moiin, Hossein			6/27/1997
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	F1							

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oo	D1	Managing Managed Network Services: The Service Provider Blind Spot; Infonetics Research, The Networking Information Source; June 2000 (18 pages)
//	D2	ISM Customer- Aware™ Query; CoManage Corporation; as of December 5, 2000 (2 pages)
1	D3	ISM Customer- Aware™ Provisioning; CoManage Corporation; as of December 5, 2000 (2 pages)
//	D4	ISM Customer- Aware™ Deep Discovery™; CoManage Corporation; as of December 5, 2000 (2 pages)
//	D5	ISM Customer- Aware™ Service Profiling; CoManage Corporation; as of December 5, 2000 (2 pages)
1	D6	ISM Customer- Aware™ Fault and Performance Management; CoManage Corporation; as of December 5, 2000 (2 pages)

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6/2/01

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

## Complete if Known

Application Number	09/730,682
Filing Date	12/06/2000
First Named Inventor	Tindal et al.
Group Art Unit	2188
Examiner Name	[Not Assigned]
Attorney Docket Number	CNTW-006/00US

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## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
DA		5,519,704		Farinacci et al.	5/21/96
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
DA		EP	0 384 339 A2		Pitkin et al.	8/29/90	
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II		WO	01/47185 A2		Wiryaman et al.	6/28/01	
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Examiner Signature	<i>[Signature]</i>	Date Considered	6/2/04
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<sup>1</sup> Unique citation designation number.<sup>2</sup> See attached Kinds of U.S. Patent Documents.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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 DISCLOSURE

**Complete if Known**

<b>Application Number</b>	09/730,682
<b>Filing Date</b>	12/06/2000
<b>First Named Inventor</b>	Tindal et al.
<b>Group Art Unit</b>	2188
<b>Examiner Name</b>	[Not Assigned]

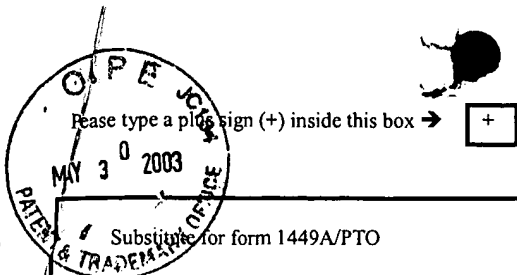
Sheet	2	of	2	Attorney Docket Number	CNTW-006/00US
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Substitute for form 1449A/PTO		<b>Complete if Known</b>			
		<b>Application Number</b>	09/730,682		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Filing Date</b>	12/06/2000		
		<b>First Named Inventor</b>	Tindal et al.		
		<b>Group Art Unit</b>	2188		
		<b>Examiner Name</b>	G. Barron		
<b>Sheet</b>	1	<b>of</b>	2	<b>Attorney Docket Number</b>	CNTW-006/00US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
JP		WO	95/08794		Gilbert, et al.	03/30/1995	
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<b>Examiner Signature</b>	<i>Shirley J. Proctor</i>	<b>Date Considered</b>	6/2/04
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<sup>1</sup> Unique citation designation number.

<sup>2</sup> See attached Kinds of U.S. Patent Documents.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 2 of 2

Complete if Known

Application Number 09/730,682

Filing Date 12/06/2000

First Named Inventor Tindal et al.

Group Art Unit 2188

Examiner Name G. Barron

Attorney Docket Number CNTW-006/00US

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## **OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
BA		Wolfson, Ouri et al.: "Managing Communication Networks by Monitoring Databases", IEEE Transactions on Software Engineering, IEEE Inc. New York, US, vol. 17, no. 9 1 September 1991, pgs. 944-953	
//		Kennedy T W: "Network Operations & Management Tool Requirements for the 90s" Proceedings of the Network Operations and Management Symposium (NOMS). Memphis, Apr. 6-9, 1992, New York, IEEE, U.S. Vo. 1, 1992, pgs 122-132	
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//		Torrente S et al.: "Implementation of the ANSI T1M1.5 GBM-T1.214 within an ODBMS framework" Networking: Foundation for the Future, San Francisco, Mar- 28 – April 1, 1993, Proceedings of the Annual Joint Conference of the Computer and Communications Societies (INFOCOM), Los Alamitos, IEE Comp. Soc. Press, US, vol. 2 CONF. 12, 28 March 1993, pgs. 875-884, XP010032227, ISBN: 0-8186-3580-)	
//		Lee, W.C. et al: "Routing Subject to Quality of Service Constraints in Integrated Communication Networks" IEEE Network, IEEE Inc. New York, US, vol. 9, no. 4, 1 July 1995 (1995-07-01), pages 46-55, XP000526591, ISSN: 0890-8044 the whole document	
//		Williams R: "Web Based Enterprise Management W101" DMTF 1999 Annual Conference, 'Online! 15-16 June 1999, pgs 1-21	
//		PCT/US 01/45668 – International Search Report dated 10/16/2002	
//		PCT/US 01/45669 – International Search Report dated 10/16/2002	
//		PCT/US 01/45671 – International Search Report dated 10/16/2002	
//		PCT/US 01/45670 – International Search Report dated 12/20/2002	
//		PCT/US 01/45672 – International Search Report dated 04/14/2003	
//		PCT/US 01/45671 – Written Opinion 12/13/2002	

Examiner Signature

Date Considered

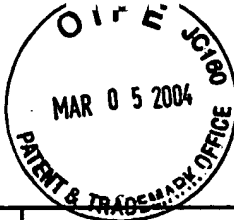
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<sup>1</sup> Unique citation designation number.

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		Application Number	09/730,682
		Filing Date	12/06/2000
		First Named Inventor	Tindal et al.
		Group Art Unit	2188
		Examiner Name	G. Barron
Sheet 1	of 1	Attorney Docket Number CNTW-006/00US	

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		Number	Kind Code <sup>2</sup> (if known)		
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Examiner Signature		Date Considered	6/6/04
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